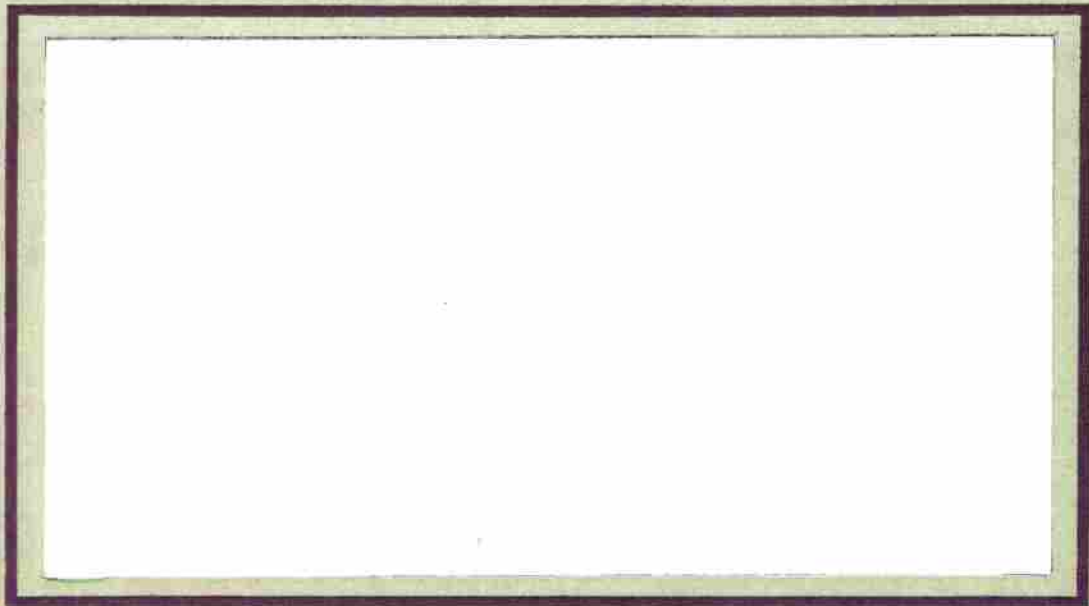


Office Copy



KANSAS STATE UNIVERSITY • MANHATTAN, KANSAS

PETITION
TO
TAU BETA PI
FROM
TAU BETA GAMMA

✓ Faculty degrees, colleges,
years -

✓ Letters of support from
Dean of engg. &
pres. of university.

✓ Petitioners' curricula
& activities.

TBT alumni grad.
schools & jobs -

✓ TBT history &
projects

December 18, 1972

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Constitution and Bylaws of Tau Beta Gamma



KANSAS STATE UNIVERSITY

Department of Industrial Engineering
Engineering Shops Building
Manhattan, Kansas 66506
Phone: 913 532-5606

December 15, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee

Gentlemen:

Enclosed is the petition of Tau Beta Gamma, the engineering honorary society of Kansas State University, to establish a local chapter of Tau Beta Pi. It is my pleasure to convey this petition to you for your consideration.

From its beginning Tau Beta Gamma has followed the standards set by Tau Beta Pi for the election of members and its operation. The performance of the alumni of the society and the university in industry and graduate school attests to the quality of their education. The association of Tau Beta Pi would offer the students national recognition for their achievement.

It is my feeling that the students at Kansas State University are deserving of the distinction of election to Tau Beta Pi, and I wholeheartedly support this petition.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Frank A. Tillman'.

Frank A. Tillman, Ph.D.
Faculty Advisor
Tau Beta Gamma

December 4, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee

Gentlemen:

As President of Tau Beta Gamma, the engineering honor society at Kansas State University, I formally petition the Tau Beta Pi Association for the establishment of a chapter at the Kansas State University College of Engineering.

If the petition is favorably accepted, and a chapter is instituted at Kansas State, we, the petitioning group, pledge to abide by the Constitution and By-laws of the Association as the legislative authority and the Executive Council as the executive and judicial authority. We further pledge to uphold and maintain the high standards of Tau Beta Pi.

Very truly yours,

A handwritten signature in cursive script that reads "John H. Meiners". The signature is written in dark ink and is positioned above the printed name and title.

John H. Meiners
President, Tau Beta Gamma



KANSAS STATE UNIVERSITY *Manhattan, Kansas 66502*

DEPARTMENT OF MECHANICAL ENGINEERING
SEATON HALL

December 13, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee

Dear Sirs:

I understand that our local engineering honorary, Tau Beta Gamma, wishes to become affiliated with Tau Beta Pi.

Being a member of Tau Beta Pi and having been a faculty member here at Kansas State University since 1960, I wish to recommend that you approve the petition.

Sincerely,

A handwritten signature in cursive script that reads 'F. C. Appl'.

F. C. Appl
Professor

wsp



KANSAS STATE UNIVERSITY

Department of Civil Engineering
Seaton Hall
Manhattan, Kansas 66506
Phone: 913 532-5862

December 13, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37900

Gentlemen:

The Engineering Honor Society, Tau Beta Gamma, here at Kansas State University has expressed the desire to affiliate with Tau Beta Pi.

I believe that having these bright, young, technical leaders as active members of Tau Beta Pi would not only stimulate their personal professional growth but would also enhance the growth and prestige of the organization.

As a faculty member at Kansas State University, and a member of Tau Beta Pi, I wish to recommend and strongly support this affiliation.

Fraternally,

Robert R. Snell, Head
Department of Civil Engineering

RRS:pjb



KANSAS STATE UNIVERSITY *Manhattan, Kansas 66502*

DEPARTMENT OF NUCLEAR ENGINEERING
SEATON HALL

December 15, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville TN 37900

Gentlemen:

The Tau Beta Gamma Society at Kansas State University has expressed the desire to affiliate with your organization.

I believe that the affiliation with Tau Beta Pi would not only stimulate the personal professional growth of the members, but would also enhance the growth and prestige of the organization.

As a faculty member at Kansas State University and a member of Tau Beta Pi, I am writing to express my recommendation and strong support for this affiliation.

Fraternally,

Richard E. Faw
Member, Beta of Ohio

REF/jlg

bcc: John Kramer, Industrial Engineering



December 15, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee

Dear Sirs:

I am writing to offer full support for the petition of Tau Beta Gamma, local engineering honorary, for affiliation with Tau Beta Pi.

I feel all standards of Tau Beta Pi are in evidence at Kansas State University and, as a Tau Beta Pi member, I strongly support the petition for foundation of a Tau Beta Pi chapter here.

Sincerely,

A handwritten signature in cursive script, reading 'Robert L. Gorton'.

Robert L. Gorton
Associate Professor

wsp



KANSAS STATE UNIVERSITY

Department of Industrial Engineering
Engineering Shops Building
Manhattan, Kansas 66506
Phone: 913 532-5606

December 18, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37900

Gentlemen:

As a faculty member at Kansas State University and a member of Tau Beta Pi, I am writing to express my support of Tau Beta Gamma's petition for national affiliation.

Sincerely,

A handwritten signature in cursive script that reads 'Kenneth A. Ebeling'.

Kenneth A. Ebeling
North Dakota - Alpha

KAE:mj

Kansas State University

Manhattan, Kansas 66502

Engineering Experiment Station
Seaton Hall

December 13, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37900

Dear Sir:

As a member of Tau Beta Pi at Northwestern University as an undergraduate student, and having been without association with the organization since I came to Kansas State, I am extremely pleased to assist in encouraging Tau Beta Gamma to start here at Kansas State and do fully support their application for association with national Tau Beta Pi.

I am certain that the group of young men here at Kansas State and the other Tau Beta Pi members who are currently on the faculty, have done an excellent job in organizing the colony and I trust there will be no problems in their acceptance by national.

Cordially,



Dwight A. Nesmith, Director
Engineering Experiment Station

DAN/mm



KANSAS STATE UNIVERSITY

Department of Agricultural Engineering
Seaton Hall
Manhattan, Kansas 66506
Phone: 913 532-5580

December 11, 1972

Dr. Frank Tillman, Head
Department of Industrial Engineering
Engineering Shops
UNIVERSITY

Dear Frank:

I believe it is highly appropriate that there ultimately be an active chapter of Tau Beta Pi in the College of Engineering at Kansas State University. The presence of a chapter would contribute much to the College as would our students to Tau Beta Pi.

As a faculty member at Kansas State, and a member of Tau Beta Pi, I am writing to express my recommendation and strong support for this affiliation.

Sincerely,

William H. Johnson (cg)
William H. Johnson
Professor and Head

csg



KANSAS STATE UNIVERSITY

Department of Industrial Engineering
Engineering Shops Building
Manhattan, Kansas 66506
Phone: 913 532-5606

December 12, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

Gentlemen:

Tau Beta Gamma, a local engineering honor society here at Kansas State University, has expressed their desire to affiliate with Tau Beta Pi.

I believe that the high quality of these students would benefit the national association and that the proposed affiliation would simulate these students to a new level of personal growth.

As a faculty member of Kansas State University and a member of Tau Beta Pi, I am writing to express my recommendation and strong support for this affiliation.

Sincerely,

A handwritten signature in cursive script, reading 'L. E. Grosh'.

L. E. Grosh
Member Louisiana Alpha

LEG:jer



KANSAS STATE UNIVERSITY *Manhattan, Kansas 66502*

DEPARTMENT OF MECHANICAL ENGINEERING, SEATON HALL

December 11, 1972

Executive Council
Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee

Dear Sirs:

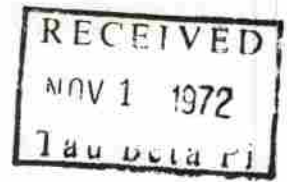
I was very pleased when I learned that an attempt was being made to establish a chapter of Tau Beta Pi at Kansas State University. I have followed the efforts of the members and I am very impressed by their growth rate. I think an organization such as Tau Beta Pi will greatly strengthen our academic program at Kansas State and will provide students who achieve membership a lasting reward.

I understand that the local colony is now in the process of submitting a petition for a local chapter and I wish to give my recommendation in support of this action.

Sincerely,

A handwritten signature in cursive script that reads "Hugh S. Walker".

Hugh S. Walker
Associate Professor
Member, Louisiana Alpha



HALLMARK CARDS INCORPORATED
KANSAS CITY, MISSOURI 64101

October 30, 1972

The Executive Council
The Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

A letter has been forwarded to our office indicating that Kansas State University is in the process of submitting a petition to establish a Tau Beta Pi Chapter at Kansas State University.

For your information, Hallmark Cards, Inc. actively recruits on the Kansas State Campus and are aware of the fine engineering programs at K-State. We concur that a Tau Beta Pi Chapter would add prestige to the University and also help attract competent high school graduates interested in the engineering field.

Sincerely,

Wayne Reeves
College Relations

WR:dx

TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

November 17, 1972

The Executive Council
The Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

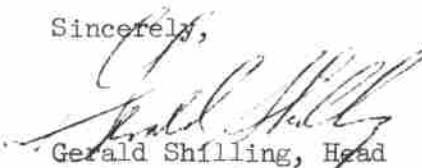
Dear Sirs:

This letter is written in response to a request by engineering students at Kansas State University for support of an effort to establish a Tau Beta Pi Chapter at the university.

The Tennessee Valley Authority has solicited engineering applicants from Kansas State University and its predecessor, Kansas State College of Agriculture and Applied Science, for over thirty years. For the past ten years TVA has actively interviewed and recruited engineering graduates on campus at Kansas State. Although geographical distance has somewhat limited the success of our recruiting efforts, we have hired several bright young men for positions in our engineering divisions. Supervisors report that these men are well prepared in the basic engineering disciplines and adapt well to the challenges of professional engineering assignments.

From firsthand knowledge of the capabilities of these graduates, we conclude that the engineering programs at Kansas State University are equal in quality to similar programs offered at other major universities at which we recruit.

Sincerely,


Gerald Shilling, Head
Employment Services Section
Division of Personnel

GENERAL MOTORS CORPORATION

November 3, 1972

The Executive Council
The Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

Dear Sirs

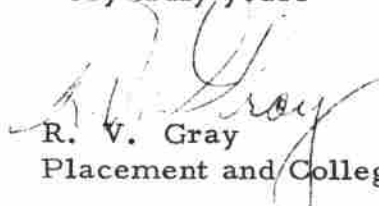
It is my understanding that Kansas State University has petitioned for a Tau Beta Pi Chapter. I wish to express my support in granting this request.

I personally have visited Kansas State University twice a year in a recruiting capacity for over 14 years. General Motors looks upon Kansas State University as one of its major sources of engineering talent at the bachelor, master and PhD levels.

A number of former graduates of this University are presently in key positions in General Motors and I am sure that much of it can be contributed to the fine engineering program offered at the University.

Personally I hope that the Tau Beta Pi Chapter will give very serious consideration in granting Kansas State University a chapter in the very near future.

Very truly yours



R. V. Gray

Placement and College Relations

SW

WICHITA DIVISION WICHITA, KANSAS 67210

October 10, 1972

The Executive Council
The Tau Beta Pi Association
University of Tennessee
Knoxville, Tennessee 37916

Gentlemen:

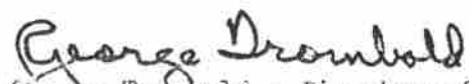
The Boeing Company has enjoyed the quality product of graduating engineering students from Kansas State University on all degree levels. Our experiences with their graduates have given us some of our leaders of today. Our recruiting visit this fall could produce some of our leaders of tomorrow.

A rewarding college-industry relationship has been established among faculty members and students through plant tours and technical presentations made on the campus. We believe that it is certainly the intent of the College of Engineering to keep informed of all new developments and technologies, related both to industry and the education profession, in order to provide their students with the latest tools to build their profession.

The Boeing Company is pleased to offer this letter as support to the honorary engineering society, Tau Beta Gamma, in their effort to establish a Tau Beta Pi Chapter at Kansas State University.

Sincerely,

THE BOEING COMPANY
Wichita Division


George Trombold - Director of
Industrial and Public Relations

GT:mm



December 19, 1972

TO WHOM IT MAY CONCERN:

This is to certify that the following named students, regularly enrolled as full-time day students in the College of Engineering, Kansas State University, meet the membership requirements set forth in the "Constitution and Bylaws and Eligibility Code of the Tau Beta Pi Association," Article VIII, Section 2, Sub-sections (f) and (h). This is in terms of meeting the requirement of being in the upper eighth (juniors) or upper fifth (seniors) of their respective classes, and as compared with students within the same department.

John H. Meiners
Bill Flanders
Kim Myers
Carl Wilkens
Dale Zellers
Alan Johnson
Steve Brooks
Wayne Unruh
Janet Hull
Thomas Trent
Richard Kussman

Ray Dilts
Everett Ramer
John Schlup
Edward Juno
John Wilson
Don Glaser
Terry Weaver
John Kramer
Bradley Maurer
Eric Schoeff
Darrell Sabatka

Sincerely,

Robert E. Crank
Assistant to the Dean

REC:mrr



KANSAS STATE UNIVERSITY

Department of Agricultural Engineering
Seaton Hall
Manhattan, Kansas 66506
Phone: 913 532-5580

19 December 1972

TO WHOM IT MAY CONCERN:

This is to certify that Mr. Dean E. Eisenhauer, presently enrolled in the Graduate School in quest of a Master of Science Degree in Agricultural Engineering at Kansas State University meets the membership requirements as set forth in The Constitution and Bylaws and Eligibility Code of Tau Beta Pi as specified by Article VIII, Section 3(C).

Mr. Eisenhauer has maintained a 4.00 gradepoint average during his graduate program work. In addition, he was recently elected to membership in the PHI KAPPA PHI Scholastic Honorary Organization. This honor required that his gradepoint average be among the top 5% of all graduate students.

Sincerely,

G. E. Fairbanks
Professor

ks

DEGREES HELD BY DEAN EISENHAUER

<u>DEGREE</u>	<u>INSTITUTION</u>	<u>YEAR</u>
Associate of Arts	Fairbury Junior College Fairbury, Nebraska	1969
Bachelor of Science in Agricultural Engineering	Kansas State University Manhattan, Kansas	1971

ALUMNI MEMBERS OF TAU BETA GAMMA
KANSAS STATE UNIVERSITY

Kenneth Bosse	Wheaton, Ks.
Duane Downtain	1311 Hattie, Garden City, Ks.
Michael Gard	702 Maplewood Dr., El Dorado, Ks.
Arun Kumar Gupta	Dept. of Physics, Univ., Jodhpur Raj, India
Ronald Holmes	4621 West Dr., Topeka, Ks.
Dennis Heurter	510 Calhoun, Marysville, Ks.
Curtis Jilg	105 Hillside, El Dorado, Ks.
Mark Keast	R.R. 1, Howard, Ks.
Dave Kolarik	R.R. 3, Caldwell, Ks.
James Leach	116 N. 3rd, Osborne, Ks.
Larry Marten	Wheaton, Ks.
Steve Mattix	200 W. 3rd, Ellinwood, Ks.
Michael Pacey	Oak Hill, Ks.
Richard Ray	8516 W. 55 Terr., Shawnee Mission, Ks.
Larry Schroeder	Box 116, Vermillion, Ks.
John Swain	1821 So. Erie, Wichita, Ks.

ENTRANCE REQUIREMENTS

Residents of Kansas who are graduated from an accredited Kansas high school are admitted to Kansas State University. Out-of-state applicants are expected to have a strong academic rank in class and to have made good scores on the American College Test battery.

No academically qualified applicant will be denied admission to the University on the basis of race, color, sex, religion, or national origin.

Entering freshmen should have completed the high school mathematics courses which are necessary prerequisite for their curriculum.

All transfer students are expected to have at least a C average in previous academic work to be considered for admission to the University.

Freshmen applicants to KSU are required to take the ACT and have their test scores forwarded to the University.

THE COLLEGE OF ENGINEERING

A course of study leading to a degree in the College of Engineering provides a well-rounded university education designed to develop the general qualities of leadership and human understanding inherent to an educated person.

In addition it equips the student with a broad theoretical background to meet the new and demanding problems of our rapidly expanding technology. To assure the continued economic and technologic development of this nation, an increasing number of high school students should select careers in this challenging profession.

In the College of Engineering at KSU an outstanding faculty combines with excellent physical facilities to provide a stimulating environment in which to prepare for a professional career.

The College of Engineering offers the Bachelor of Science degree, fully accredited by E.C.P.D., in each of the following curriculums:

- Agricultural Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering
- Nuclear Engineering

LENGTH OF ENGINEERING CURRICULUM

Each of the engineering curriculums leading to a Bachelor of Science degree is a four year (eight semester) program. Each semester is a minimum of 15 weeks plus one week for final examinations. The engineering student must take an average of 17 credit hours a semester in order to complete the program in four years.

ENGINEERING DEGREES AWARDED

Engineering degrees awarded during the 1968-72 period are shown in the following table:

<u>Curriculum</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
Agricultural Engineering	6	12	16	9	10
Civil Engineering	34	34	29	25	46
Chemical Engineering	24	17	10	9	21
Electrical Engineering	64	76	55	45	66
Industrial Engineering	11	16	8	14	22
Mechanical Engineering	39	44	53	44	59
Nuclear Engineering	<u>12</u>	<u>13</u>	<u>15</u>	<u>15</u>	<u>15</u>
Total	190	212	186	161	239 = 988 ÷ 5 = 198 ave

UNDERGRADUATE ENROLLMENT (1972)

Undergraduate enrollment by class and by curriculum based on the Fall registration figures for 1972 are as follows:

<u>Curriculum</u>	<u>Fres.</u>	<u>Soph.</u>	<u>Junior</u>	<u>Senior</u>
Agricultural Engineering	12	16	15	17
Civil Engineering	22	34	39	52
Chemical Engineering	27	22	17	33
Electrical Engineering	41	57	57	93
Industrial Engineering	9	17	18	23
Mechanical Engineering	16	40	51	75
Nuclear Engineering	19	20	32	29
General Engineering	67	6	0	0

DEPARTMENT OF CHEMICAL ENGINEERING

Courses

Akins, Richard G.
Associate Professor

ChE Thermodynamics Lab
Graduate Seminar

Honorary and Professional Societies:

American Institute of Chemical Engineers
Sigma Tau
Omicron Delta Kappa

Bates, Herbert T.
Professor

ChE Lab II
Engineering Materials
Engineering Assembly

Honorary and Professional Societies:

American Institute of Chemical Engineers-Energy Conversion &
Transport Division
-American Society for Engineering Education-Chemical Engineering
Division -- Kansas-Nebraska Section
American Chemical Society, Chairman, Nebraska Section, 1949
Registered Professional Engineer Kansas 3918
Sigma Xi
Sigma Tau
Phi Kappa Phi
Phi Lambda Upsilon
Manhattan Chamber of Commerce

Erickson, Larry E.
Professor

Process Analysis & Design

Honorary and Professional Societies:

Sigma Xi
Phi Kappa Phi
Phi Lambda Upsilon
Sigma Tau
American Institute of Chemical Engineers
Kansas Water Pollution Control Association
American Chemical Society
American Society for Microbiology
American Water Resources Association
The Society of Fermentation Technology (Japan)

New York Academy of
Sciences
American Society for
Engineering Education
Kansas Academy of Sciences

Fan, L. T.
Professor & Head

Topics of Reaction Engineering

Honorary and Professional Societies:

American Chemical Society
American Institute of Chemical Engineers (Full)
American Society of Engineering Education
Society of Chemical Engineers (Japan)
Professional Engineer in Formosa
Sigma Xi
Phi Kappa Phi
Phi Lambda Upsilon
Society of Engineering Sciences (Founding Member)
Listed in American Men of Science
Listed in Leaders in American Science
American Association for the Advancement of Science
American Water Resources Association, 1970
Listed in Outstanding Educators of America

Hall, Raymond C.
Assistant Professor

None

Honorary and Professional Societies:

American Institute of Chemical Engineers
American Chemical Society
Sigma Xi

Kyle, Benjamin G.
Professor

ChE Thermodynamics Research
Advanced ChE Thermodynamics

Honorary and Professional Societies:

American Chemical Society
American Institute of Chemical Engineers
American Society for Engineering Education
Phi Kappa Phi
Phi Lambda Upsilon
Sigma Xi

Matthews, John C.
Associate Professor

Advanced Transport Phenomena I
Introduction to Process Analysis

Honorary and Professional Societies:

Sigma Xi
American Institute of Chemical Engineers
New York Academy of Sciences
American Association for the Advancement of Science

Retzloff, David G.
Assistant Professor

Process Analysis & Design Research
Process Analysis & Design Quiz
Process Analysis & Design Lab

Honorary and Professional Societies:

Sigma Tau Engineering Honor
Omega Chi Epsilon Chemical Engineering Honor
American Institute of Chemical Engineers
American Chemical Society
American Association for the Advancement of Science
Sigma Xi

Walawender, Walter P.
Assistant Professor

Process Optimization
Engineering Assembly

Engineering Concepts
Honor Seminar

Honorary and Professional Societies:

Associate Member of Sigma Xi
American Association of University Professors
American Institute of Chemical Engineers

NAME: Jason C. Annis

YEAR BORN: 1930

RANK: Assistant Professor

DEPARTMENT: Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Air Pollution Control Association
American Industrial Hygiene Association
American Chemical Society
Sigma Xi
Pi Mu Epsilon
Fine Particle Society

TEACHING LOAD:

Environmental Engineering I
Fine Particle Technology
Research

NAME: Fredric Carl Appl.

YEAR BORN: 1932

TITLE: Professor of Mechanical Engineering
Harry Jennings Distinguished Professor

HONORARY AND PROFESSIONAL SOCIETIES:

Tau Beta Pi
Phi Kappa Phi
Pi Mu Epsilon
Pi Tau Sigma
Sigma Xi
American Society of Mechanical Engineers
Society of Petroleum Engineers

TEACHING LOAD:

M.E. Design Lab
Machine Design II
Research

NAME: Naim Z. Azer

YEAR BORN: 1927

RANK: Professor of Mechanical Engineering

DEPARTMENT: Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi
Sigma Xi
American Society of Mechanical Engineers
American Society of Heating, Refrigerating and Air-Conditioning
Engineers
American Society for Engineering Education

HONORS: Fulbright Travel Grant, 1955
Graduate College Fellowship, University of Illinois, 1957-1958
Distinguished Service Certificate from American Society of
Mechanical Engineers for serving over 10 years as
reviewer for Applied Mechanics Reviews

TEACHING LOAD:

Thermo I
Heat Conduction in Solids
Research

NAME: Herbert D. Ball

YEAR BORN: 1928

TITLE: Assistant Professor in Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Engineering Education
Pi Tau Sigma

TEACHING LOAD:

Topics in M.E.
Concepts in Engineering
Research

NAME: Robert E. Crank YEAR BORN: 1920
RANK: Professor of Mechanical Engineering
DEPARTMENT: Mechanical Engineering
HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers
American Society for Engineering Education
American Association for the Advancement of Science
Pi Tau Sigma
Sigma Tau
Sigma Xi
Pi Mu Epsilon
Phi Kapp Phi
Regional ASEE Western Electric Fund Award for Excellence
in Instruction of Engineering Students, 1970

TEACHING LOAD:

Thermo I
Advisor in Dean's Office

NAME: A. H. Duncan YEAR BORN: 1911
TITLE: Professor of Mechanical Engineering
HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau
Phi Kappa Phi
Pi Tau Sigma
American Society of Mechanical Engineers
American Society for Engineering Education

TEACHING LOAD:

Thermo I
M.E. Lab II
Undergraduate Advisor

NAME: Arthur O. Flinner YEAR BORN: 1907
TITLE: Professor of Mechanical Engineering
HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers
American Society for Engineering Education
Sigma Tau
Phi Kappa Phi
Pi Tau Sigma
Registered Professional Engineer, State of Kansas

TEACHING LOAD:

Thermo I
Thermo II

NAME: Robert L. Gorton YEAR BORN: 1931
RANK: Associate Professor of Mechanical Engineering
DEPARTMENT: Mechanical Engineering
HONORARY AND PROFESSIONAL SOCIETIES:

Tau Beta Pi
Pi Tau Sigma
Registered Professional Engineer
Sigma Xi
American Society of Mechanical Engineers
American Society for Engineering Education
American Society of Heating, Refrigeration, and Air-Conditioning
Engineers.

TEACHING LOAD:

Engineering Assembly
Advanced Air Conditioning and Heat Transfer
Research

NAME: Leland Stanford Hobson YEAR BORN: 1902
TITLE: Professor of Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Kansas Engineering Society
Society for Advancement of Management
National Society of Professional Engineers
NSPE Educational Foundation
Kansas State University Research Foundation
Phi Kappa Phi
Sigma Tau
Sigma Xi
Kansas State Chamber of Commerce
American Society for Engineering Education
Registered Professional Engineer, State of Kansas

TEACHING LOAD:

Engineering Economy
Dean's Office

NAME: John C. Lindholm

YEAR BORN: 1923

RANK: Associate Professor of Mechanical Engineering

DEPARTMENT: Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers
American Society for Engineering Education
Society for Experimental Stress Analysis
Sigma Xi
Tau Beta Pi
Sigma Tau
Pi Tau Sigma
Phi Kappa Phi
Who's Who Among Students in American Colleges and Universities

TEACHING LOAD:

Machine Design I (two sections)
Research

NAME: Paul L. Miller, Jr.

YEAR BORN: 1934

RANK: Professor of Mechanical Engineering

DEPARTMENT: Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau
Pi Tau Sigma
Registered Professional Engineer, Kansas
American Society for Engineering Education
Elected Director, Educational Research and Methods
Division 1970-71, 1971-72
Appointed Director, Council for Teaching and Learning
1971-72
Regional Director of the Effective Teaching Institute
1971-72
Elected Program Chairman Elect, Educational Research and
Methods Division, 1972-73
Elected Secretary, Council for Teaching and Learning,
1972-73
American Society of Heating, Refrigerating, and Air-Conditioning
Engineers (Appointed to ASHRAE Technical Committee 4.1, 1971-74)
American Society of Mechanical Engineers

TEACHING LOAD:

Concepts Engineering
Radiation Heat Transfer
Asst. Dept. Head
Research

NAME: Ross Pauli

YEAR BORN: 1918

RANK: Assistant Professor

DEPARTMENT: Mechanical Engineering

HONCRARY AND PROFESSIONAL SOCIETIES:

Sigma Tau
Epsilon Pi Tau

TEACHING LOAD:

Graphical Communications I (three sections)

NAME: Frederick H. Rohles, Jr.

YEAR BORN: 1920

TITLE: Professor of Mechanical Engineering and Psychology

HONORARY AND PROFESSIONAL SOCIETIES:

Animal Behavior Society
Aerospace Medical Association
American Association for the Advancement of Science
American Psychological Association, Fellow
American Society Heating, Refrigeration, and Air Conditioning
Engineer
Psi Chi
Sigma Xi
Psychonomic Society
International Primatological Society

NAME: Clyde Howard Sprague

YEAR BORN: 1936

RANK: Associate Professor of Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi
Pi Tau Sigma
Sigma Tau
Steel Ring
Pi Mu Epsilon
American Society of Mechanical Engineers
American Society for Engineering Education
Simulation Councils, Inc.

TEACHING LOAD:

M.E. Lab I
Automatic Controls
Research

NAME: Thomas B. Swearingen

YEAR BORN: 1931

TITLE: Associate Professor of Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Pi Tau Sigma
Sigma Xi
American Society of Mechanical Engineers
Registered Professional Engineer
Who's Who in the Midwest

TEACHING LOAD:

Heat Transfer
Honors Seminar
Urban Vehicle
Research

NAME: Joseph Garth Thompson

YEAR BORN: 1935

RANK: Associate Professor and Head of the Department, Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Society of Sigma Xi SCI
Pi Tau Sigma ASME
Who's Who in the South and the Southwest
Engineering Foundation Award (\$1,000.)
Shell Oil Award for Outstanding Teaching (\$1,000.)
Ralph R. Tector Award
Ford Foundation Fellow
NSF Fellow
Shell Oil Company Fellow
Kansas Engineering Society

TEACHING LOAD:

System Dynamics
Department Head
Research

NAME: Wilson Tripp

YEAR BORN: 1907

TITLE: Professor of Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers
American Society for Engineering Education (past vice-chairman,
Kansas-Nebraska section)
Eta Kappa Nu
Tau Beta Pi
Pi Tau Sigma
Sigma Tau
Phi Kappa Phi (past vice-president, Kansas State chapter)
Kansas Engineering Society
Licensed Professional Engineer, State of Kansas
Pi Mu Epsilon
Sigma Xi

TEACHING LOAD:

Thermo I
Impact of Tech. on Society
Graduate Advisor
Research

NAME: Ralph O. Turnquist

YEAR BORN: 1928

TITLE: Associate Professor of Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Instrument Society of America
Phi Kappa Phi
Sigma Tau
Pi Tau Sigma
Sigma Xi
ASME

TEACHING LOAD:

M.E. Lab I
Concepts in Engineering
Research

NAME: Hugh S. Walker

YEAR BORN: 1935

TITLE: Associate Professor of Mechanical Engineering
Kansas State University
Manhattan, Kansas 66502 913-532-5610

HONORARY AND PROFESSIONAL SOCIETIES:

Pi Mu Epsilon
Tau Beta Pi
Sigma Xi
Pi Tau Sigma
American Society of Mechanical Engineers
Society for Experimental Stress Analysis
American Society for Engineering Education
American Institute of Aeronautics and Astronautics,
Associate Fellow

TEACHING LOAD:

Mechanical Vibs I
Engineering Analysis I
Research

NAME: Joe N. Wood

YEAR BORN: 1911

TITLE: Professor of Mechanical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Mechanical Engineers
Sigma Tau
American Society for Engineering Education
Triangle Fraternity
Licensed Engineer (Kansas)

TEACHING LOAD:

Graphical Communications I (two sections)
Graphical Communications II

NAME: William H. Johnson

YEAR BORN: 1922

RANK: Professor and Head of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Alpha Epsilon - Agricultural Engineering Honorary

Phi Eta Sigma - Freshman Honorary

Tau Beta Pi - Engineering Honorary

Gamma Sigma Delta - Agricultural Honorary

Sigma Xi - Scientific Honorary

American Men of Science

American Society of Agricultural Engineers

American Society for Engineering Education

National Society of Professional Engineers

Kansas Engineering Society

TEACHING LOAD:

505-815 Graduate Seminar in Agricultural Engineering 1

NAME: Gustave Edmund Fairbanks

YEAR BORN: 1915

RANK: Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi

Gamma Sigma Delta

Sigma Tau

Phi Kappa Phi

American Society of Engineering Education

American Society of Agricultural Engineering

National Society of Professional Engineers

Professional Engineer

TEACHING LOAD:

505-436 Design of Agricultural Machines

506-300* Engineering in Agriculture

3
4

NAME: Teddy Omar Hodges

YEAR BORN: 1922

RANK: Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Agricultural Engineers
American Society for Engineering Education
Kansas Engineering Society
National Society of Professional Engineers
Phi Kappa Phi
Sigma Xi
Tau Beta Pi
Alpha Zeta
Gamma Sigma Delta
Sigma Tau
Professional Engineer

TEACHING LOAD:

505-700	Agricultural Process Engineering	3
506-651*	Mechanized Feed Handling	3

NAME: George Herbert Larson

YEAR BORN: 1915

RANK: Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau
Phi Kappa Phi
Sigma Xi
Pi Mu Epsilon
Sigma Pi Sigma
Tau Beta Pi
Gamma Sigma Delta
American Society of Agricultural Engineers
American Society of Engineering Education
Kansas Engineering Society
National Professional Engineering Society
Professional Engineer
American Association for the Advancement of Science

NAME: Stanley J. Clark

YEAR BORN: 1931

RANK: Associate Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Agricultural Engineers
American Society of Engineering Education
Kansas Engineering Society
National Society of Professional Engineers
International Society for Terrain - Vehicle Systems
Sigma Xi
Sigma Tau
Gamma Sigma Delta

TEACHING LOAD:

505-710	Advanced Power and Machinery	3
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NAME: Ralph Iden Lipper

YEAR BORN: 1916

RANK: Associate Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi
Sigma Xi
Sigma Tau
Steel Ring
Gamma Sigma Delta
American Society of Agricultural Engineers
American Society for Engineering Education
National Society of Professional Engineers
Kansas Engineering Society
Professional Engineer

TEACHING LOAD:

506-310 Farm Electrification and Soil Conservation
506-353* Farmstead Utilities

2
3

NAME: Do Sup Chung

YEAR BORN: 1935

RANK: Assistant Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi
Phi Lambda Upsilon
Alpha Mu
American Society of Agricultural Engineers
American Institute of Chemical Engineers
American Association of Cereal Chemists
American Men of Science

NAME: Harry Leo Manges

YEAR BORN: 1928

TITLE: Assistant Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society of Agricultural Engineers
Professional Engineer
Gamma Sigma Delta

TEACHING LOAD:

506-653* Irrigation Practice
505-430 Soil and Water Engineering

3
3

NAME: Charles K. Spillman

YEAR BORN: 1934

RANK: Assistant Professor of Agricultural Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Theta Kappa

Tau Beta Pi

Alpha Epsilon

Sigma Xi

American Society of Agricultural Engineers

American Society of Heating, Refrigerating, and Air-Conditioning
Engineers

American Society for Engineering Education

National Society of Professional Engineers

Kansas Engineering Society

Analog Hybrid Computer Educational Users Group

TEACHING LOAD:

505-160	Engineering Concepts	2
505-410	Environmental Analysis for Plants and Animals	3

Name: Richard E. Faw

Year Born: 1936

Title: Professor of Nuclear Engineering

Honorary and Professional Societies:

American Nuclear Society, American Chemical Society, IEEE Nuclear Science Group, American Society for Engineering Education, Tau Beta Pi, Phi Kappa Phi, Sigma Xi.

Teaching Load:

Nuclear Engineering Concepts
Problems in N.E.
Research in N.E.

Name: Hermann Jakob Anton Donnert

Year Born: 1929

Title: Professor

Honorary and Professional Societies:

American Association for the Advancement of Science; American Physical Society; Nuclear Physics Division, American Physical Society; American Nuclear Society; Shielding Division, American Nuclear Society; Education Division, American Nuclear Society; Nuclear-Explosives Division, American Nuclear Society; Mo-Kan Section, American Nuclear Society; American Ordnance Association; Maryland Academy of Sciences; Scientific Research Society of America; American-Men of Science Listing; Sigma Xi; Fellow, Washington Academy of Sciences; Member, Kansas Academy of Science; Member, American Society for Engineering Education.

Teaching Load:

Applied Nuclear Engineering Analysis
Neutron and Particle Interactions
Research in N.E.
Nuclear Engineering Colloquium

Name: John O. Mingle

Year born: 1931

Title: Professor of Nuclear Engineering
Director of Institute for Computational Research in Engineering

Honorary and Professional Societies:

American Institute of Chemical Engineers, American Nuclear Society, American Society for Engineering Education, Sigma Tau, Phi Lambda Upsilon, Phi Kappa Phi, Registered Professional Engineer (Kansas), American Association for the Advancement of Science, American Institute of Aeronautics and Astronautics, Sigma Xi (KSU Chapter Lecturer, 1966-67, Chapter President 1969-70), Society for Industrial and Applied Mathematics, Simulation Council.

Teaching Load:

Principles of Nuclear Reactor Analysis
Radiation Shielding II

Name: N. Dean Eckhoff

Year Born: 1938

Title: Associate Professor

Honorary and Professional Societies:

Kansas Academy of Science, American Nuclear Society, Wichita Section American Nuclear Society, Sigma Xi, Sigma Tau, Steel Ring, American Society for Engineering Education

Teaching Load:

Introduction to Environmental Technology
Radioisotope Applications Engineering
Nuclear Fuel Processing
Research In Nuclear Engineering

Name: Joseph Frederick Merklin

Year Born: 1935

Title: Associate Professor

Honorary and Professional Societies:

American Physical Society, Sigma Xi, Faraday Society, American Chemical Society, American Association for the Advancement of Science, Kansas Academy of Science

Teaching Load:

Radioisotope Applications Engineering
Nuclear Fuel Processing Lab
Radiation Effects on Materials I
Research in Nuclear Engineering

Name: Robert W. Clack

Year Born: 1921
(5/4/21)

Title: Assistant Professor of Nuclear Engineering and
Director, Kansas State University TRIGA Reactor Facility

Honorary and Professional Societies:

American Nuclear Society, Health Physics Society, American Society for Engineering Education, Registered Professional Engineer (Kansas), Licensed Senior Reactor Operator (U. S. Atomic Energy Commission), Licensed Aviation Pilot, Diplomate, American Board of Health Physics

Teaching Load:

Introduction to Nuclear Engineering
Reactor Operations Planning

Name: Ray E. Hightower

Year Born: 1936

Title: Assistant Professor

Teaching Load:

Radioisotope Applications Engineering
Research in Nuclear Engineering

Name: Merlyn S. Krick

Year Born: 1938

Title: Assistant Professor of Nuclear Engineering

Honorary and Professional Societies:

Member, American Physical Society

Member, American Nuclear Society

Member, Institute of Electrical and Electronics Engineers

Teaching Load:

Elements of Nuclear Engineering

Radioisotope Applications Engineering

Radiation Detection and Measurement

Name: J. Kenneth Shultis

Year born: 1941

Title: Assistant Professor

Citizenship: Canadian

Honorary and Professional Societies:

Phi Kappa Phi, Sigma Xi, American Physical Society (Nuclear Physics Division, Cosmic Physics Division), American Nuclear Society (Reactor Physics Division, Mathematics and Computation Division)

Teaching Load:

Nuclear Engineering Concepts

Introduction to Nuclear Engineering

Applied Reactor Theory

Research in Nuclear Engineering

NAME: Fort A. Verser, Jr.

YEAR BORN: 1924

TITLE: Instructor

HONORARY AND PROFESSIONAL SOCIETIES:

American Nuclear Society, Sigma Xi, Professional Society for Nuclear Defense

NAME:	Nasir Ahmed	YEAR BORN: 1940
RANK:	Associate Professor	
DEPARTMENT:	Electrical Engineering & Computer Science	
HONORARY AND PROFESSIONAL SOCIETIES:	Institute of Electrical and Electronics Engineers Sigma Xi	
TEACHING LOAD:	Digital Network Theory Signal Processing and Classification	

NAME:	Mudhafar A. Alnema	YEAR BORN: 1938
RANK:	Instructor	
DEPARTMENT:	Electrical Engineering	
HONORARY AND PROFESSIONAL SOCIETIES:	Institute of Electrical and Electronics Engineers	

NAME:	Kendall F. Casey, Jr.	YEAR BORN: 1940
RANK:	Associate Professor	
DEPARTMENT:	Electrical Engineering	
HONORARY AND PROFESSIONAL SOCIETIES:	Institute of Electrical and Electronics Engineers American Association of University Professors American Association for the Advancement of Science Society of Sigma Xi Eta Kappa Nu	
TEACHING LOAD:	Wave Guides, Antennas and Propagation	

NAME: Melvin C. Cottom YEAR BORN: 1924
RANK: Assistant Professor
DEPARTMENT: Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical And Electronics Engineers
Licensed Professional Engineer (Kansas and
Missouri)
Kappa Eta Kappa
Sigma Tau
Eta Kappa Nu
Pi Mu Epsilon

TEACHING LOAD:

Circuit Theory 2
Energy Conversion 1 (two sections)
Energy Conversion 2
E.E. Seminar

NAME: John P. Dollar YEAR BORN: 1929
TITLE: Instructor
DEPARTMENT: Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

ATEA
Eta Kappa Nu
Institute of Electrical and Electronics Engineers
Kansas Engineering Society
Kansas Society of Professional Engineers (E.I.T.)
Pi Mu Epsilon
American Society for Engineering Education
Power Engineering Society

TEACHING LOAD:

Electron 1 (two sections)
Electronics 2

NAME: Richard R. Gallagher YEAR BORN: 1942
RANK: Assistant Professor
DEPARTMENT: Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical and Electronics Engineers
Eta Kappa Nu
Tau Beta Pi
American Society for Engineering Education
Society for Engg. Science Medical Elect. and Data

TEACHING LOAD:

Circuit Theory 3
Advanced Feedback Control Systems

NAME: Floyd Wayne Harris YEAR BORN: 1933
TITLE: Associate Professor of Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical and Electronics Engineers
Eta Kappa Nu
Tau Beta Pi
Sigma Tau
American Society for Engineering Education

TEACHING LOAD:

Circuit Theory 2

NAME: Norval K. Hearn, Jr. YEAR BORN: 1931
RANK: Instructor

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Pi Sigma
Kappa Mu Epsilon

NAME: Donald R. Hummels YEAR BORN: 1936
RANK: Assistant Professor
DEPARTMENT: Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical and Electronics Engineers
Eta Kappa Nu
Phi Kappa Phi

TEACHING LOAD:

Introduction to Computer Engineering
Control Systems Design (two sections)

NAME: Gary L. Johnson YEAR BORN: 1938
RANK: Assistant Professor
DEPARTMENT: Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Eta Sigma
Eta Kappa Nu
Phi Kappa Phi
Pi Mu Epsilon
Institute of Electrical and Electronics Engineers
Sigma Xi

TEACHING LOAD:

Electromagnetic Theory 1 (3 sections)
E.E. Seminar (two sections)

NAME: Dale E. Kaufman YEAR BORN: 1930

TITLE: Assistant Professor of Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Eta Kappa Nu
Sigma Tau
Pi Mu Epsilon
Phi Kappa Phi
Society of Sigma Xi (Member)
Institute of Electrical and Electronics Engineers
(Member)
Acoustical Society of America (Associate Member)
American Society for Engineering Education

TEACHING LOAD:

Electrical Engineering Lab 3
Transistor Circuitry

NAME: Wellington W. Koepsel YEAR BORN: 1921

RANK: Professor and Head of the Department

DEPARTMENT: Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Institute of Electrical and Electronics Engineers
American Society for Engineering Education
Sigma Xi
Eta Kappa Nu
National Science Foundation Science Faculty
Fellowship, 1959-60.

TEACHING LOAD:

Control Systems Design

NAME: Donald H. Lenhert YEAR BORN: 1934
TITLE: Associate Professor of Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi
Institute of Electrical and Electronics Engineers
Eta Kappa Nu
Sigma Tau
Phi Kappa Phi
American Society of Engineering Education

TEACHING LOAD:

Circuit Theory 1 (two sections)

NAME: Michael S. P. Lucas YEAR BORN: 1929
RANK: Professor
DEPARTMENT: Electrical Engineering
HONORARY AND PROFESSIONAL SOCIETIES:

Eta Kappa Nu
Institute of Electrical and Electronics Engineers
Sigma Xi
Amateur Yacht Research Society
American Society of Metals
American Associate of University Professors

TEACHING LOAD:

Integrated Circuits Engineering (2 sect.)
Solid State Engineering

NAME: William A. Rosenkranz YEAR BORN: 1942
RANK: Instructor
DEPARTMENT: Electrical Engineering
TEACHING LOAD:
Electrical Engineering Lab 2 (2 sections)

NAME: Joseph Evans Ward, Jr. YEAR BORN: 1916
RANK: Professor
DEPARTMENT: Electrical Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Eta Sigma
Eta Kappa Nu
Tau Beta Pi
Sigma Tau
Institute of Electrical and Electronics Engineers
American Society for Engineering Education
Licensed Professional Engineer (Kansas)

TEACHING LOAD:

Circuit Theory 1
Electronics 1

NAME: Duane Eldon Walker YEAR BORN: 1938
RANK: Instructor
DEPARTMENT: Electrical Engineering
HONORARY AND PROFESSIONAL SOCIETIES:
Eta Kappa Nu
Sigma Tau
TEACHING LOAD:
Electric Circuits and Controls
Electronics 1

NAME: Isaac Wakabayashi YEAR BORN: 1925
RANK: Instructor
HONORARY AND PROFESSIONAL SOCIETIES:
Pi Mu Epsilon
TEACHING LOAD:
Circuit Theory 2
Electronics 3
Electrical Engineering Lab 4

Name: Peter B. Cooper

Year Born: 1936

Title: Associate Professor of Civil Engineering

Honorary and Professional Societies:

American Society for Engineering Education
American Society of Civil Engineers
Joint ASCE Task Committee on Flexural Members
Chairman, 1972-1975
Member, Subcommittee 2 - Box Girders, 1967-70
Member, Subcommittee 6 - Plate Girders, 1966-69
Advisory Member - AISI Task Force on Research
Project "Beams in Rigid Building Frames" (1968-1971)
Sigma Xi, Chi Epsilon
NSPE and Kansas Engineering Society
President, Tri-Valley Chapter, Kansas Engineering
Society (1971-1972)
Column Research Council
Registered Professional Engineer in Kansas

Teaching Load:

Engineering Assembly
Analysis of Statically Determinant Structures
Analysis of Atatically Determinant Structures Lab
Structural Engineering in Steel
Structural Engineering in Steel Lab
Plastic Design of Steel Structures

Name: Vernon H. Rosebraugh

Year Born: 1910

Title: Associate Professor of Civil Engineering

Honorary and Professional Societies:

Sigma Xi, Phi Delta Kappa, Phi Kappa Phi
Registered Professional Engineer
American Society of Civil Engineers
American Concrete Institute
Chi Epsilon

Teaching Load:

Analysis of Statically Indeterminant Structures
Analysis of Statically Indeterminant Structures Lab
Advanced Reinforced Concrete Theory
Economics of Design and Construction

Name: Lawrence A. Schmid

Year Born: 1940

Title: Associate Professor of Civil Engineering

Honorary and Professional Societies

Phi Kappa Phi, Iowa State University, 1962
Sigma Xi, University of Kansas, 1967
Chi Epsilon, University of Kansas, 1967
American Water Works Association
Water Pollution Control Federation
American Society of Civil Engineers
National Society of Professional Engineers
American Association of Professors in Sanitary Engineering

Teaching Load:

Sanitary Engineering Design
Sanitary Engineering Design Lab
Water Supply and Quality Control

Name: Bob L. Smith

Title: Professor of Civil Engineering

Honorary and Professional Societies:

Phi Kappa Phi, Sigma Tau, Kappa Mu Epsilon
American Society of Civil Engineers (Member)
Institute of Traffic Engineers (Associate Member)
National Society of Professional Engineers
Kansas Engineering Society
Licensed Professional Engineer, Kansas (2671)
Registered Land Surveyor, Kansas
Sigma Xi, Chi Epsilon

Teaching Load:

Transportation Engineering
Transportation Engineering Lab
Traffic Engineering I
Traffic Engineering Lab
Regional Planning Engineering
Regional Planning Engineering Lab

Name: Robert R. Snell

Year Born: 1932

Title: Professor and Head of the Civil Engineering Department

Honorary and Professional Societies:

Registered Professional Engineer, Kansas, 1959
Sigma Tau, Phi Kappa Phi, Pi Mu Epsilon, Kansas State
University, 1954
Sigma Xi, Tau Beta Pi, Purdue University, 1962
Chi Epsilon, Kansas State University, 1965
American Institute of Steel Construction
National Society of Professional Engineers
American Society for Engineering Education
American Society of Civil Engineers
Vice-President, Kansas Section, 1971
President, Kansas Section, 1972
Member, EMD Committee on Experimental Analysis and
Analogues, 1966 - 1972
Chairman, EMD Committee on Experimental Analysis and
Analogues, 1969 - 1971
Member, Subcommittee 8-Beams with Web Openings, Joint
ASCE-AASHTO Task Committee on Flexural Members,
1967 - 1970
Kansas Engineering Society
Member, Membership Committee, 1964 - 1965
Member, Society Activities Committee, 1970 - 1971
Tri-Valley Chapter of K.E.S.
Secretary-Treasurer, 1965 - 1967
Vice President, 1968 - 1969
President, 1969 - 1970
State Director, 1971 - 1973

Teaching Load:

Advanced Structural Analysis I

Name: Stuart Endsley Swartz

Year Born: 1938

Title: Associate Professor of Civil Engineering

Honorary and Professional Societies:

American Society of Civil Engineers

Member, Career Guidance Committee of State Chapter,

ASCE, 1970-71; Chairman, 1972-present

Member, Committee on Experimental Analysis and Analogues,

Engg. Mechanics Division, 1970-present

American Concrete Institute

Member, Committee 115 - Current Research, 1969-present

Committee 118 - Use of Computers, 1970-present

National Society of Professional Engineers

Kansas Engineering Society

Member, Engineering Preparation Committee, 1968-1972

Awards Committee, 1972-present

Tri-Valley Chapter Board of Directors, 1970-1971

Secretary-Treasurer of Tri-Valley Chapter,
1971-1973

Society for Experimental Stress Analysis

Member, National Membership Committee - Subcommittee

on Student Membership, 1970-1972

Chairman, National Membership Committee, 1972-present

International Association for Bridge and Structural
Engineering

Sigma Xi

Chi Epsilon

Professional Engineer

Teaching Load:

Structural Engineering in Concrete

Structural Engineering in Concrete Lab

Behavior of Structural Metals

NAME: Douglas A. Wallace

Born: 1938

TITLE: Assistant Professor of Civil Engineering

PROFESSIONAL REGISTRATION:

Registered Professional Engineer, Illinois (1966),
Iowa (1967)

HONORARY AND PROFESSIONAL SOCIETIES:

Chi Epsilon
Water Pollution Control Federation
American Water Works Association
American Society of Civil Engineers
Kansas Engineering Society
National Society of Professional Engineers

TEACHING LOAD:

Sanitary Engineering Fundamentals
Sanitary Engineering Fundamentals Lab (two sections)
Sanitary Engineering Chemistry

Name: Wayne W. Williams

Born: 12/14/1922
Powersville, Missouri

Title: Associate Professor of Civil Engineering

Professional Societies:

American Society of Civil Engineers
Kansas Engineering Society

Teaching Load:

Soil Mechanics
Soil Mechanics Lab (two sections)
Foundation Engineering
Foundation Engineering Lab

Name: Jerome Joseph Zovne

Title: Assistant Professor of Civil Engineering

Honorary and Professional Societies:

Chi Epsilon

Sigma Xi

American Society of Civil Engineers

American Geophysical Union

International Association of Hydraulic Research

Teaching Load:

Hydraulic Engineering

Hydraulic Engineering Lab

Hydraulics of Open Channels I

Hydrology

NAME: Corwin A. Bennett

YEAR BORN: 1929

RANK: Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Psychological Association, Society of Engineering
Psychologists
Human Factors Society
Ergonomics Research Society
Illuminating Engineering Society

TEACHING LOAD:

Industrial Management II
Engineering Administration
Graduate Seminar in Industrial Engineering

NAME: Lynn E. Bussey

YEAR BORN: 1920

RANK: Associate Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi
Phi Kappa Phi
Alpha Pi Mu
American Society of Mechanical Engineers
Missouri Society of Professional Engineers
Registered Professional Engineer in Missouri, Kansas and Oklahoma

TEACHING LOAD:

Industrial Management (2 sections)
Industrial Project Selection

NAME: Earle C. Byers YEAR BORN: 1929
RANK: Assistant Professor
DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:
Industrial Arts Teachers Association
American Society for Refrigeration Engineers

TEACHING LOAD:
Production Processes Lab (4 sections)

NAME: (Mrs.) Doris Lloyd Grosh YEAR BORN: 1924
RANK: Assistant Professor
DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:
American Statistical Society
Institute of Mathematical Statistics
Mathematical Association of America
Pi Mu Epsilon
Sigma Xi

TEACHING LOAD:
Production Planning and Inventory Control
Introduction to Operations Research I
Engineering Reliability and Quality Assurance

NAME: Louis E. Grosh, Jr.

YEAR BORN: 1923

RANK: Associate Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Association for Computing Machinery
American Math Association
Sigma Xi
Tau Beta Pi
Phi Kappa Phi
Society for Industrial Mathematics
Institute for Management Science
Society for General Systems Research
Alpha Pi Mu

TEACHING LOAD:

Advanced Production and Inventory Control
Industrial Forecasting Techniques and Applications

NAME: Carl U. Hansen

YEAR BORN: 1910

RANK: Assistant Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Welding Society
American Institute of Industrial Engineers
American Society of Engineering Education
Registered Professional Engineer, Kansas

TEACHING LOAD:

Production Processes
Production Processes Lab (4 sections)

NAME: Ching-Lai Hwang YEAR BORN: 1929

RANK: Associate Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi
Pi Mu Epsilon
Sigma Xi
American Society of Mechanical Engineers
American Institute of Industrial Engineers
Operations Research Society of Japan

TEACHING LOAD:

Operations Research I
The Application of the Maximum Principle
to Industrial Systems

NAME: Stephan A. Konz YEAR BORN: 1933

RANK: Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Institute of Industrial Engineers
Human Factors Society
American Society for Quality Control
Society of Manufacturing Engineers
Institute of Electrical and Electronic Engineers
Ergonomics Research Society
Sigma Xi
American Society of Heating, Refrigerating & Air Con. Engineers
Alpha Pi Mu
American Industrial Hygiene Association

TEACHING LOAD:

Work Design
Work Design Lab
Human Engineering I
Human Engineering I lab

NAME: E. Stanley Lee

YEAR BORN: 1930

RANK: Professor of Industrial Engineering

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi
Tau Beta Phi
Phi Kappa Phi
The Society for Industrial and Applied Mathematics
The Institute of Electrical and Electronics Engineers
American Institute of Chemical Engineers
Alpha Pi Mu
Operations Research Society of America
Institute of Environmental Sciences
American Institute of Industrial Engineers

NAME: Thomas A. Roth

YEAR BORN: 1937

RANK: Assistant Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Metals
American Institute of Mining, Metallurgical and Petroleum
Engineers
American Association for the Advancement of Science
Tau Beta Pi
Sigma Xi
Professional Engineer-in-Training (Wisconsin)
The Metallurgical Society of AIME

TEACHING LOAD:

Engineering Materials
Production Processes Lab (4 Sections)

NAME: Jacob J. Smaltz

YEAR BORN: 1917

RANK: Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi
Sigma Tau
American Institute of Industrial Engineers
American Society for Engineering Education
American Society of Safety Engineers
Association for Computing Machinery
Registered Professional Engineer (Kansas)

TEACHING LOAD:

Computers and Data Processing
Computers and Data Processing Lab (2 sections)
Occupational Safety and Health
Occupational Safety and Health Lab

NAME: Frank A. Tillman

YEAR BORN: 1937

RANK: Professor and Department Head

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Tau Beta Phi
American Institute of Industrial Engineers
Institute of Management Science
Operations Research Society of America
Professional Engineer
Sigma Xi
Alpha Pi Mu

TEACHING LOAD:

Engineering Assembly

NAME: Claude L. Woodard

YEAR BORN: 1922

RANK: Associate Professor

DEPARTMENT: Industrial Engineering

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Delta Kappa
Sigma Xi
Alpha Sigma Mu
Sigma Gamma Epsilon
American Society of Metals
Institute of Metals

TEACHING LOAD:

Engineering Materials
Engineering Materials Lab (2 sections)

NAME: Philip G. Kirmser YEAR BORN: 1919
TITLE: Professor and Head of Department of Applied Mechanics
DEGREES: B.S. Chemical Engineering, University of Minnesota, 1939
M.S. Mathematics, University of Minnesota, 1944
Ph.D. Mathematics, University of Minnesota, 1958

HONORARY AND PROFESSIONAL SOCIETIES:

American Mathematical Association
American Mathematical Society
Society for Industrial and Applied Mathematics
(SIAM Visiting Lecturer 1971-72)
Royal Netherlands Society of Engineers
Phi Lambda Upsilon
Phi Kappa Phi
Pi Mu Epsilon
Sigma Xi
American Society for Engineering Education
(President, Kansas-Nebraska Section 1961-62)

TEACHING LOAD:

Topics in Theoretical and Applied Mechanics
Research in Applied Mechanics

NAME: Lee R. Calcote YEAR BORN: 1923
RANK: Professor of Applied Mechanics
DEGREES: B.S. Texas Agricultural and Mechanical University, 1948
M.Eng. Texas Agricultural and Mechanical University, 1952
Ph.D. University of Illinois, 1963

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Engineering Education
Tau Beta Pi
Phi Kappa Phi
Sigma Xi

Teaching LOAD:

Dynamics
Mechanics of Materials Lab (2 sections)

NAME: Mohamed Tawfik Abdel-Moneim

TITLE: Instructor

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi
American Society for Engineering Education
American Society of Mechanical Engineers

Teaching Load:

Statics
Fluid Mechanics

NAME: Charles Richard McDonald

TITLE: Instructor

HONORARIES AND PROFESSIONAL SOCIETIES

American Society of Professional Engineers
Sigma Tau
Society of Automotive Engineers

TEACHING LOAD:

Applied Mechanics
Strength of Materials A Lab
Statics and Dynamics

NAME: Everett E. Haft

YEAR BORN: 1923

TITLE: Professor of Applied Mechanics

DEGREES: B.S. University of Wisconsin, 1947
M.S. University of Wisconsin, 1951
Ph.D. University of Wisconsin, 1955

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi
Pi Mu Epsilon
Phi Kappa Phi
American Society for Engineering Education

TEACHING LOAD:

Strength of Materials
Dynamics
Research in Applied Mechanics

NAME: Frank J. McCormick

YEAR BORN: 1906

TITLE: Professor of Applied Mechanics

DEGREES: B.S. Architectural Engineering, Iowa State College, 1927
M.S. Structural Engineering, Iowa State College, 1931

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau
Tau Beta Pi
Pi Mu Epsilon
Phi Kappa Phi
American Society of Civil Engineers
American Society for Engineering Education
Society for Experimental Stress Analysis (member, Papers Committee)

TEACHING LOAD:

Statics and Dynamics
Mechanics of Materials
Topics in Theoretical and Applied Mechanics
Statics

NAME: Chi-lung Huang YEAR BORN: 1930

TITLE: Associate Professor of Applied Mechanics

DEGREES: B.S. National Taiwan University, China, 1954
M.S. University of Illinois, 1960
Dr. of Engg., Yale University, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Xi
Phi Tau Phi
Society of Engineering Science
American Institute of Aeronautics and Astronautics

TEACHING LOAD:

Dynamics (2 sections)
Research in Applied Mechanics

NAME: John E. Kipp YEAR BORN: 1930

TITLE: Associate Professor, Department of Applied Mechanics
Staff Associate, Environmental Research Laboratory

DEGREES: B.S. Mechanical Engineering, University of Kansas, 1951
M.S. Mechanical Engineering, University of Kansas, 1955
Ph.D. Engineering, Oklahoma State University, 1968

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau
Pi Tau Sigma
Pi Mu Epsilon
Theta Tau
American Society for Engineering Education
Member, American Society of Heating, Refrigeration, and Air
Conditioning Engineers Technical Committee 1.2 (Instrumentation and Measurement)

TEACHING LOAD:

Fluid Mechanics (2 sections)
Intermediate Fluid Mechanics
Research in Applied Mechanics

NAME: Kuo-Kuang Hu
RANK: Assistant Professor
DEPARTMENT: Applied Mechanics
HONORARY AND PROFESSIONAL SOCIETIES:

RANK: Assistant Professor

DEPARTMENT: Applied Mechanics

HONORARY AND PROFESSIONAL SOCIETIES:

Phi Kappa Phi

TEACHING LOAD:

Statics
Mechanics of Materials

NAME: Harry D. Knostman

TITLE: Assistant Professor of Applied Mechanics

TITLE: Assistant Professor of Applied Mechanics

DEGREES: B.S. Kansas State University, 1955
M.S. Kansas State University, 1961
Ph.D. Colorado University, 1966

HONORARY AND PROFESSIONAL SOCIETIES

Sigma Tau
Steel Ring
Phi Kappa Phi
American Society of Civil Engineers
American Society for Engineering Education

[illegible]

TEACHING LOAD:

Statics (2 sections)

NAME: Edwin C. Lindly

YEAR BORN: 1921

TITLE: Associate Professor of Applied Mechanics

DEGREES: B.S. Oklahoma State University, 1942
M.S. Purdue University, 1949
M.S. Kansas State University, 1957
Ph.D. Iowa State University, 1964

HONORARY AND PROFESSIONAL SOCIETIES:

Sigma Tau
Pi Tau Sigma
American Society for Engineering Education
Society for Experimental Stress Analysis

TEACHING LOAD:

Strength of Materials A Lab
Mechanics of Materials
Elastic Stability

NAME: James F. Crary

YEAR BORN: 1913

TITLE: Assistant Professor, Applied Mechanics

DEGREES: B.S. Electrical Engineering, Kansas State University, 1947
M.S. Civil Engineering, Oklahoma State University, 1969

HONORARY AND PROFESSIONAL SOCIETIES:

American Society for Testing and Materials
National Society of Professional Engineers
American Society for Engineering Education
Kansas Engineering Society
American Concrete Institute

TEACHING LOAD:

Dynamics
Mechanics of Materials Lab

Constitution of Tau Beta Gamma

Preamble:

The members of the School of Engineering at the Kansas State University, desiring to be incorporated in Tau Beta Pi, form Tau Beta Gamma for the purpose of recognizing in a fitting manner those who have distinguished themselves as students or by their eminent attainments as graduates in the field of engineering, of promoting scholastic incentive and cultural development of engineering students at Kansas State University.

Article I: Name

The organization shall be titled Tau Beta Gamma, the undergraduate Engineering Honor Society of the College of Engineering, Kansas State University, Manhattan, Kansas.

Article II: Pattern

This engineering honor society shall be patterned after the national engineering honor society, Tau Beta Pi Association, Inc. in every way and as explicitly set forth in the Constitution of Tau Beta Gamma Honor Society.

Article III: Purpose

The purpose of this organization shall be:

- 1) To give recognition to outstanding engineering students who have attained honor rating in their college courses.
- 2) To foster high scholarship among lower classmen by establishing an incentive for them to achieve honors necessary for admission to the society.
- 3) To keep close contact with alumni, with the hope of furthering the aims of the society and the school.
- 4) To become affiliated eventually with the national honorary engineering fraternity, Tau Beta Pi.
- 5) To promote the profession of engineering in the college and community.
- 6) To engage in activities for the betterment of the community.

Article IV: Membership

Section 1: The membership of this organization shall consist of regularly enrolled undergraduates, at the Kansas State University at Manhattan, Kansas are engineering students, meeting the prescribed qualifications.

Section 2: Eligibility Requirements

- a. Students scholastically in the upper eighth of the junior engineering class in the beginning of the junior year would be eligible for election in the fall term. However, no more than three people or twenty five percent of this group may be selected (which ever is the greater). The remainder of the upper eighth will be eligible for election in the beginning of the spring term.

- b. Those senior students whose scholastic average fall within the upper fifth of the senior class would be eligible for election at the beginning of the fall or spring term of their senior year.
- c. Transfer students must have completed 25 hours of work at Kansas State in order to be eligible for membership.

Section 3: Election of members.

There will be two elections and initiations of undergraduates each year. It shall be held as soon as practicable after the data determining the scholastic ability of the candidates have been made.

Section 4: Members should be prepared to spend ~~at~~ a minimum of four hours per month in the service of Tau Beta Gamma.

Section 5:

A member in good standing is one who is not under censure by this organization and has paid his dues.

Section 6 (a): For continued and unexcused absences from regularly called meetings of this Society, negligence of assigned duties, inexcusable failure to meet any financial obligations, conviction or violation of the University Honor Code, or for other just cause, the active members or Advisory Council may make recommendations to the Executive Council to institute expulsion proceedings.

Section 6 (b): Expulsion shall be by a three-fourth's majority on a secret ballot of active members.

Section 7: Expulsion consists of the following: (1) Return of badge and certification of membership. (2) Complete severance of all connection with the Society.

Section 8: A member may appeal his case to the Advisory Board or Executive Council in light of new evidence.

Section 9:

A member not in good standing shall forfeit all rights and privileges of his membership until such time as he is reinstated.

Section 10:

Membership in other societies, fraternities, or organizations shall not disbar a candidate from election into this society.

Section 11:

All former members of this society who have completed their undergraduate studies shall be termed alumni members.

Article V: Government

Section 1:

The officers of this organization shall be President, Vice President, Recording Secretary, Corresponding Secretary, Treasurer, Cataloger, and Advisory Council. These officers shall be elected by a majority vote.

Section 2:

Any active member in good standing would be eligible for office.

Section 3:

To be eligible for President, one must be a member of the society for at least one semester.

Section 4:

There shall be an election of the officers during the first meeting in May of each year. The offices will be held until the next election.

Section 5:

In case a vacancy occurs in the office of president, the vice president shall automatically become president, and a new vice president shall be appointed by the advisory council. Other vacancies shall be filled by appointment by the Advisory Council. All such appointments shall be subject to approval of the undergraduate membership by a majority vote.

Section 6:

Any officer may be removed by a three quarter vote of the active chapter.

Section 7:

The Advisory Council shall consist of the president, vice president, corresponding secretary, two alumni members, and a faculty advisor. The alumni members shall serve for terms of one year.

Section 8:

The Executive Council is a group at the national level of Tau Beta Pi, which assumes the leadership of the honorary.

Article VI: Meetings.

Section 1:

Regular meetings of this organization shall be held once a month during the school year and shall be called by the president. Special meetings may be called by the advisory council or president.

Section 2:

General meetings of a social or technical character shall be held each term as warranted.

Article VII: Advisor.

There shall be a faculty advisor, who shall be a member ex-officio without a vote. He shall be a member of the Tau Beta Pi association.

Article VIII: Finances.

Section 1:

All members of the Society may be assessed fees as required for the proper functioning of this organization provided such an assessment is authorized by the council and passed by a majority vote of the members of this organization.

Section 2: Funds are to be entrusted to the treasurer for safe keeping, subject to the semi-annual audit by the advisory council.

Section 3:

A checking account shall be established in the name of Tau Beta Gamma, with the president or treasurer signing.

Article IX: Amendments.

Section 1:

Amendments and Bylaws to this constitution may be submitted by any active member in good standing at any regular meeting. Notices of proposed amendments shall be sent to all members prior to the next regular meeting when the amendments shall be voted on.

Section 2:

An amendment shall be passed by a 3/4 vote of the quorum, relating to voting on amendments, as defined in the bylaws.

Article X: Initiation.

Section 1: Initiation of new members shall be held as early as possible in the fall and spring semesters.

Section 2: The initiation procedure shall be as prescribed in the Bylaws of this constitution.

BY-LAWS OF TAU BETA GAMMA

By-Law I: Quorum

Section 1. A majority of the members of the council shall constitute a quorum at meetings of the council.

Section 2. A majority of student members shall constitute a quorum at regular meetings.

Section 3. A quorum must be present at any meeting at which a vote is taken committing the organization to any proposal. Without a quorum, meetings may be held at which members are inducted, proposals are submitted to the Society, matters of interest to the organization are discussed, or programs are formulated, but there shall be no formal voting on such matters.

Section 4. The quorum for purposes of constitutional amendments, elections, changing of initiation fees or chapter dues, passing assessments of student members, and disciplinary action shall consist of three quarters of the membership.

By-Law II: Order of Business

The order of business at all meetings shall be as follows:

1. Roll call
2. Reading of minutes
3. Reports of officers, committees, etc.
4. Unfinished business
5. New business
6. Adjournment

By-Law III: Procedure

Section 1. All undergraduate members shall have equal voting power. The alumni members shall have no vote.

Section 2. If questions concerning parliamentary procedure arise Roberts "Rules of Order Revised" shall govern in all points not specifically covered in the constitution and by-laws of this organization.

By-Law IV: Duties of Officers

Section 1. It shall be the duty of the president to act as a responsible agent and leader of this chapter. He shall preside at all meetings, appoint all committees (subject to approval by a majority vote of the active body). He shall cast the deciding vote in case of a tie in all things except elections.

Section 2. The vice president shall act in the capacity of any officer who is not present at the meeting. He shall act as parliamentarian at all meetings. He shall be a member of all committees.

Section 3. It shall be the duty of the Recording Secretary to keep the minutes of the regular meetings completely typewritten, up to date, and in a suitable folder.

Section 4. It shall be the duty of the Corresponding Secretary to carry on such correspondence of the Society as the President or any other officer may direct.

Section 5. The Treasurer shall be in charge of all funds and bills of this Society. He shall maintain a bank account in the name of the Society.

Section 6. It shall be the duty of the Cataloger to keep an up-to-date record of all active and alumnus members, including full name, home address, and the college address.

Section 7. The advisory council shall formulate any necessary policies, such as the preparation of a budget, for presentation to the membership of this Society.

Section 8. The Advisory Council shall act as an advisory and judicial committee to determine the advisability of any action taken or proposed by the Society, brought before it by the petition of a minority of the Society, referred to it by a vote of the same, or considered on its own initiative. All changes in the Bylaws must be submitted to, and approved by, the Advisory Council before going into effect. By a majority vote, the Advisory Council may forbid any such action or change, subject to an appeal to the Executive Council.

Bylaw V: Committees

Section 1 (a) The Society shall have standing committees on membership-initiation, activities, and such other committees as the President shall desire to establish.

Section 1 (b) The President shall provide written lists of specific duties and responsibilities to the committee chairmen.

Section 2 (a) The committee chairmen shall be appointed by the President and subject to the approval of the chapter.

Section 2 (b) The committee members shall then be appointed by the chairmen and the President.

By-Law VI. The initiation will be set up by the membership committee.